

Claim Listing

1. (Currently amended) A method of applying interval-based adjustments to data in a database, comprising:
 - storing a plurality of raw data values organized as a series in a first database structure;
 - for the series of raw data values, storing a plurality of intervals of adjustment data; ~~including an adjustment value~~, in a second database structure, each interval of adjustment data including an adjustment value to be applied to raw data values over a range specified in the series; and
 - associating the first and second database structures so the adjustment value is applied to the series of raw data values in response to retrieval of an adjusted data value from the database.
2. (Original) The method of Claim 1 further comprising:
 - computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
3. (Original) The method of Claim 1 wherein associating comprises mapping the second database structure to the first database structure.
4. (Original) The method of Claim 1 wherein the raw data values represent a time series.
5. (Original) The method of Claim 4 wherein the time series tracks financial data.
6. (Original) The method of Claim 5 wherein the financial data is a currency valuation.
7. (Original) The method of Claim 5 wherein the financial data is a securities valuation.

8. (Original) The method of Claim 4 wherein associating comprises creating a view of the database that includes the raw data values and the adjustment value.
9. (Original) The method of Claim 1 wherein the adjustment data includes data for a pending adjustment.
10. (Original) The method of Claim 9 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
11. (Currently amended) A method of applying interval-based adjustments to data in a database, comprising:
 - storing a plurality of raw data values organized as a time series in a first database structure;
 - for the time series, storing a plurality of intervals of time-based adjustment data; ~~including an adjustment value;~~ in a second database structure, each interval of time-based adjustment data including an adjustment value to be applied to raw data values over a specified range in the series;
 - creating a view of the database to include the first and second database structures;
 - and
 - in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.
12. (Original) The method of Claim 11 further comprising computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.

13. (Original) The method of Claim 11 wherein creating the view comprises mapping the second database structure to the first database structure.
14. (Original) The method of Claim 11 wherein the time series tracks financial data.
15. (Original) The method of Claim 14 wherein the financial data is a currency valuation.
16. (Original) The method of Claim 14 wherein the financial data is a securities valuation.
17. (Original) The method of Claim 11 wherein the adjustment data includes data for a pending adjustment.
18. (Original) The method of Claim 17 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
19. (Currently amended) A system for applying interval-based adjustments to data in a database, comprising:
 - a first database structure storing a plurality of raw data values organized as a series;
 - a second database structure, storing a plurality of intervals of adjustment data; ~~including an adjustment value~~, for the series of raw data values, each interval of adjustment data including an adjustment value to be applied to raw data values over a specified range in the series; and
 - an association between the first and second database structures so the adjustment value is applied to the series of raw data values in response to retrieval of an adjusted data value from the database.

20. (Original) The system of Claim 19 further wherein:
the adjustment value for each interval of adjustment data is computed in response to the addition of a subsequent interval of adjustment data.
21. (Original) The system of Claim 19 wherein the association comprises a map structure mapping the second database structure to the first database structure.
22. (Original) The system of Claim 19 wherein the raw data values represent a time series.
23. (Original) The system of Claim 22 wherein the time series tracks financial data.
24. (Original) The system of Claim 23 wherein the financial data is a currency valuation.
25. (Original) The system of Claim 23 wherein the financial data is a securities valuation.
26. (Original) The system of Claim 22 wherein the association comprises a view of the database that includes the raw data values and the adjustment value.
27. (Original) The system of Claim 17 wherein the adjustment data includes data for a pending adjustment.
28. (Original) The system of Claim 27 further comprising an adjustment value computed from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
29. (Currently amended) A system for applying interval-based adjustments to data in a database, comprising:

a first database structure storing a plurality of raw data values organized as a time series;

a second database structure storing a plurality of intervals of time-based adjustment data, ~~including an adjustment value~~, for the time series, each interval of time-based adjustment data including an adjustment value to be applied to raw data values over a specified range in the series;

a view of the database including the first and second database structures; and

in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.

30. (Original) The system of Claim 29 wherein the adjustment value for each interval of adjustment data is computed in response to the addition of a subsequent interval of adjustment data.
31. (Original) The system of Claim 29 wherein the view comprises a map structure mapping the second database structure to the first database structure.
32. (Original) The system of Claim 29 wherein the time series tracks financial data.
33. (Original) The system of Claim 32 wherein the financial data is a currency valuation.
34. (Original) The system of Claim 32 wherein the financial data is a securities valuation.
35. (Original) The system of Claim 29 wherein the adjustment data includes data for a pending adjustment.

36. (Original) The system of Claim 35 further comprising an adjustment value computed from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
37. (Currently amended) An article of manufacture comprising:
a computer-readable medium;
computer instructions encoded on the medium for applying interval-based adjustments to data in a database, comprising instructions for:
storing a plurality of raw data values organized as a series in a first database structure;
storing a plurality of intervals of adjustment data, ~~including an adjustment value~~, in a second database structure for the series of raw data values, each interval of adjustment data including an adjustment value to be applied to raw data values over a specified range in the series; and
associating the first and second database structures so the adjustment value is applied to the series of raw data values in response to retrieval of an adjusted data value from the database.
38. (Original) The article of Claim 37 further comprising instructions for:
computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
39. (Original) The article of Claim 37 wherein associating comprises mapping the second database structure to the first database structure.
40. (Original) The article of Claim 37 wherein the raw data values represent a time series.
41. (Original) The article of Claim 40 wherein the time series tracks financial data.

42. (Original) The article of Claim 41 wherein the financial data is a currency valuation.
43. (Original) The article of Claim 41 wherein the financial data is a securities valuation.
44. (Original) The article of Claim 40 wherein associating comprises creating a view of the database that includes the raw data values and the adjustment value.
45. (Original) The article of Claim 37 wherein the adjustment data includes data for a pending adjustment.
46. (Original) The article of Claim 45 further comprising instructions for computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
47. (Currently amended) An article of manufacture comprising a computer-readable medium; computer instructions encoded on the medium for applying interval-based adjustments to data in a database, comprising instructions for:
 - storing a plurality of raw data values organized as a time series in a first database structure;
 - storing a plurality of intervals of time-based adjustment data, ~~including an adjustment value~~, in a second database structure for the time series, each interval of time-based adjustment data including an adjustment value to be applied to raw data values over a specified range in the series;
 - creating a view of the database to include the first and second database structures; and

in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.

48. (Original) The article of Claim 47 further comprising instructions for computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
49. (Original) The article of Claim 47 wherein creating the view comprises mapping the second database structure to the first database structure.
50. (Original) The article of Claim 47 wherein the time series tracks financial data.
51. (Original) The article of Claim 50 wherein the financial data is a currency valuation.
52. (Original) The article of Claim 50 wherein the financial data is a securities valuation.
53. (Original) The article of Claim 47 wherein the adjustment data includes data for a pending adjustment.
54. (Original) The article of Claim 53 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
55. (Currently amended) A method of applying interval-based adjustments to data in a database, comprising:
 - storing a plurality of raw data values organized as a time series in a first database structure;

for the time series, storing a plurality of intervals of time-based adjustment data; ~~including an adjustment value~~; in a second database structure, each interval of time-based adjustment data including an adjustment value to be applied to raw data values over a specified range in the series, the adjustment value for each interval reflecting adjustment values for subsequent intervals;

creating a view of the database to include the first and second database structures;
and

in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.

56. (Previously presented) The method of Claim 55 further comprising computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
57. (Previously presented) The method of Claim 55 wherein creating the view comprises mapping the second database structure to the first database structure.
58. (Previously presented) The method of Claim 55 wherein the time series tracks financial data.
59. (Previously presented) The method of Claim 58 wherein the financial data is a currency valuation.
60. (Previously presented) The method of Claim 58 wherein the financial data is a securities valuation.
61. (Previously presented) The method of Claim 55 wherein the adjustment data includes data for a pending adjustment.

62. (Previously presented) The method of Claim 61 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
63. (Currently amended) A system for applying interval-based adjustments to data in a database, comprising:
- a first database structure storing a plurality of raw data values organized as a time series;
 - a second database structure storing a plurality of intervals of time-based adjustment data, ~~including an adjustment value~~, for the time series, each interval of time-based adjustment data including an adjustment value to be applied to raw data values over a specified range in the series, the adjustment value for each interval reflecting adjustment values for subsequent intervals;
 - a view of the database including the first and second database structures; and
 - in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.
64. (Previously presented) The system of Claim 63 wherein the adjustment value for each interval of adjustment data is computed in response to the addition of a subsequent interval of adjustment data.
65. (Previously presented) The system of Claim 63 wherein the view comprises a map structure mapping the second database structure to the first database structure.
66. (Previously presented) The system of Claim 63 wherein the time series tracks financial data.

67. (Previously presented) The system of Claim 66 wherein the financial data is a currency valuation.
68. (Previously presented) The system of Claim 66 wherein the financial data is a securities valuation.
69. (Previously presented) The system of Claim 63 wherein the adjustment data includes data for a pending adjustment.
70. (Previously presented) The system of Claim 69 further comprising an adjustment value computed from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.
71. (Currently amended) An article of manufacture comprising a computer-readable medium; computer instructions encoded on the medium for applying interval-based adjustments to data in a database, comprising instructions for:
 - storing a plurality of raw data values organized as a time series in a first database structure;
 - storing a plurality of intervals of time-based adjustment data, ~~including an adjustment value~~, in a second database structure for the time series, each interval of time-based adjustment data including an adjustment value to be applied to raw data values over a specified range in the series, the adjustment value for each interval reflecting adjustment values for subsequent intervals;
 - creating a view of the database to include the first and second database structures; and
 - in response to a query for adjusted data values, using the view to apply the adjustment value to the raw data values during retrieval of the raw data from the database.

72. (Previously presented) The article of Claim 71 further comprising instructions for computing the adjustment value for each interval of adjustment data in response to the addition of a subsequent interval of adjustment data.
73. (Previously presented) The article of Claim 71 wherein creating the view comprises mapping the second database structure to the first database structure.
74. (Previously presented) The article of Claim 71 wherein the time series tracks financial data.
75. (Previously presented) The article of Claim 74 wherein the financial data is a currency valuation.
76. (Previously presented) The article of Claim 74 wherein the financial data is a securities valuation.
77. (Previously presented) The article of Claim 71 wherein the adjustment data includes data for a pending adjustment.
78. (Previously presented) The article of Claim 77 further comprising computing an adjustment value from the data for a pending adjustment in response to retrieval of an adjusted data value from the database.